The LPS Build Three Design Review Meeting was held on December 11, 1996 at GT4 Conference Room N440 & N460. The following are general notes and the action items that were generated at this meeting:

General Notes

• <u>SYSTEM LEVEL ISSUES - Dan Ferry</u>

MACS will cleanup temporary files and L0R files remaining after abends. This will require a CCR against the IDD.

• <u>MACS - Hyun Soon Kim</u>

The group needs responses about the prototype report and screen dump type desired. Responses are due by January 10, 1997.

Consider displaying not all of the contact capture file names on the Data Receive Summary Report.

Report dates should be consistent and the reports should list the time period the user has entered.

Joy Henegar raised the question "what are the available file names?" Reason for a file not transmitted should be displayed.

Consider separating the Data Transmitted Report into two reports: available and transmitted.

The question was raised, "Is LPS Transfer Report based on the F&PS?" It was responded "yes." Hyun Soon Kim will look at the F&PS to be sure that she has everything on the report.

LPS Quality Accounting Report - It was noted that for this report it would be necessary to add in missing CRC count (per Jeff Hosler).

It was also determined that it would be necessary to add in the File Version Number to the report.

It was determined that each report (as opposed to display) needs to identify the string.

After reports are printed, report files should be deleted. How should we do this?

• <u>RDCS - Maurice Dowdy</u>

There is a need to look at RID 11-29-95-037 again (per Jeff Hosler).

• <u>Status and Error Messages - Nate Daniel</u>

Joy Henegar wants a review of status and error messages, especially how the subsystems report "normal" functioning to the operator. The Status and Error messages issue needs to be responded to at the LPS PCMB to be held on January 14th.

• <u>MFPS - Lakshmi Gupta</u>

Nate Daniel, Ernie Staples and Lakshmi Gupta need to review the Release Time Format. Core implementation issue. They will review how to handle the implementation of ICCR 960075 so that it doesn't impact System Test and regression testing of ICCR fixes.

Nate Daniel will write up a resolution on the Scan Direction problem.

Jeff Hosler noted that an threshold seems removed from the design and the DFCB says that it has not been remove.. This is a CCR (LPS9600 81) item which has not been resolved. Jeff will keep an eye on this.

• <u>PCDS - Dennis Crehan</u>

It was noted that the design requires six valid ephemeris points to do a scene calculation. It was determined that there may be a need to go back and look at the RID from the CDR for this issue. There is a need to review if we should keep the six ephemeris points or go to four ephemerisephermeris points. (Per Dennis Crehan this may require changes to the design.)

• <u>IDPS - Mike Reid</u>

Bob Schweiss noted that for new functions, there was no subsampling, but that this is still a requirement. Bob will follow up on the subsampling issue.

Dan Ferry reported that we a need to map subsampling to some kind of output, but that the output was removed from the latest DFCB. Action Item: To subsample or not to subsample?

Dan Ferry asked System Engineering to perform a sensitivity analysis of the ACCA algorithm to determine if short integers could be used for the calculations instead of four-byte floats. The current design of ACCA uses about 90 MB of memory, and IDPS personnel would like to reduce this if possible..

Joy Henegar will email Mike Reid and Bob Schweiss a message from Darla Werner about HDF compression problem limitations.

For the Moving Window Display, Mike Reid will look into the size issue of the Band six and eight data.

• <u>LDTS - Myron Huang</u>

DAN status field reprocessing was discussed. It was noted that "reprocessed by other" is misleading and should be changed to "processed by other".

Bob Schweiss will follow up with ECS for the number of connections between LPS and EDC issue. There is a need to determine if we can handle ECS trying to pull five files at a time?

- ## <u>DOCUMENTATION PLANS - Dan Ferry</u>

    o Nate Daniel will send out an updated memo for the documentation schedules. He will show the schedule to Bob Schweiss before putting this out on the server.

- ## <u>RELEASE 2, BUILD 3 SCHEDULES - Nate Daniel</u>

    o Nate Daniel will add detailed document delivery dates and the system delivery date to Sioux   Falls to the BDR schedule list slide.

    o Nate Daniel will add any late items he has received to the master sheet for items to be addressed.

    o Nate Daniel will to track open issues and perpare status report by Jan 10, 1996 . (Note: These will be items for which a resolution can be determined.)

Nate -- what is this one??

BDR Action Items

1. AI: Write an CCR against the IDD to support the MACS cleanup temporary files and L0R files remaining after abends. {Dan Ferry}

Response: MACS personnel will author the CCR.

2. AI: ECS, GSFC, System Test, and subsystem leads need to respond to the prototype reports. Responses are due by January 10, 1997. {EDCS, GSFC, System Test, and Leads}

Response:

3. AI: .Review the F&PS to make sure that the reports generated has the necessary data. {Hyun S. Kim}

Response:

4. AI: Consider separating the Data Transmitted Report into two reports: available and transmitted. {Hyun S. Kim}

Response:

5. AI: Determine how to delete the report files after they are printed.. {Hyun S. Kim}

Response:

6. AI: Determine if all of the contact capture file names on the Data Receive Summary Report should be displayed. {Hyun S. Kim and EDC}

Response:

7. AI: Add the missing CRC count to the LPS Quality Accounting Report and determine if it is necessary to add in the File Version Number to the report. {Hyun S. Kim and EDC}

Response:

8. AI: Verfy that each report (as opposed to display) will identify the string that the report is for. {Hyun S. Kim}

Response:

9. AI: Review RID 11-29-95-037 again for its impact on RDCS. {Maurice Dowdy and Jeff Hosler).

Response:

10. AI: A review of status and error messages, especially how the subsystems report "normal" functioning to the operator. The Status and Error messages issue needs to be responded to at the LPS PCMB to be held on January 14th. {Nate Daniel, System Engineering, and Leads}

Response:

11. AI: Review how to handle the implementation of ICCR 960075 so that it doesn't impact System Test and regression testing of ICCR fixes.{ Nate Daniel, Ernie Staples and Lakshmi Gupta }

Response:

AI: WNate Daniel will write up a resolution on the Scan Direction problem. {Nate Daniel & Lakshmi Gupta }

Response:

AI: Verify the threshold values in the design against the threshold values tracked in the Database and DFCB and update the analysis for CCR: LPS960081. { Lakshmi Gupta and Jeff Hosler).

Response:

12. AI: Determine if scene calculation requires six valid ephemeris points or can be done with four or less valid points. {Dennis Crehan, System Engineering, and Bob Schweiss }

Response:

13. AI: To subsample or not to subsample? If yes, we a need to map subsampling to some kind of output, but that the output was removed from the latest DFCB. Also, the impact to the current IDPS design. {Bob Schweiss, System Engineering, and Mike Reid}

Response: Bob Schweiss verified that IDPS must subsample. The metadata contains the information on subsampling.

14. AI: Perform a sensitivity analysis of the ACCA algorithm to determine if short integers could be used for the calculations instead of four-byte floats. {System Engineering and Mike Reid}

Response:

15. AI: Follow up with ECS on this ICD issue: The number of connections between LPS and EDC (per processing string or total connections). {Bob Schweiss}

Response:

AI: Determine if we can handle ECS trying to pull five files at a time? {System Engineering, Bob Schweiss, and Myron Huang }

16. AI: Add the detail document delivery dates and the system delivery date to Sioux Falls to the BDR schedule list slide. {Nate Daniel}

Response: